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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/092,908

DATE: 03/26/2002 P.5
 TIME: 13:24:54

Input Set : A:\04843.097002.SEQLIST.TXT
 Output Set: N:\CRF3\03262002\J092908.raw

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4 <110> APPLICANT: Kim, Kwang-Soo
5      Kim, Chun-Hyung
6      Robertson, David
8 <120> TITLE OF INVENTION: Methods and Reagents for Identifying
9      Compounds and Mutations That Modulate Dopamine
10     Beta-Hydroxylase Activity
12 <130> FILE REFERENCE: 04843/097002
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/092,908
C--> 14 <141> CURRENT FILING DATE: 2002-03-07
14 <150> PRIOR APPLICATION NUMBER: US 60/274,095
15 <151> PRIOR FILING DATE: 2001-03-07
17 <160> NUMBER OF SEQ ID NOS: 49
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 39
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <400> SEQUENCE: 1
27 agcagaatgt cctgaaggca gctgccccca gtctacttg          39
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 38
31 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
34 <400> SEQUENCE: 2
35 tgcccgaatt cyccatgcgg gaggcagcct tcatgtac          38
37 <210> SEQ ID NO: 3
38 <211> LENGTH: 36
39 <212> TYPE: DNA
40 <213> ORGANISM: Homo sapiens
42 <400> SEQUENCE: 3
43 taggtctcga gtcagccttt gccccacca atgctg          36
45 <210> SEQ ID NO: 4
46 <211> LENGTH: 20
47 <212> TYPE: DNA
48 <213> ORGANISM: Homo sapiens
50 <400> SEQUENCE: 4
51 gacqgtgaag ctggggaaac          20
53 <210> SEQ ID NO: 5
54 <211> LENGTH: 37
55 <212> TYPE: DNA
56 <213> ORGANISM: Homo sapiens
58 <400> SEQUENCE: 5
59 caatgaggtat atccttgggg ttgcaggtg ccaaagg          37

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61 <210> SEQ ID NO: 6
62 <211> LENGTH: 35
63 <212> TYPE: DNA
64 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 6
67 cctggagctc tcatggaatg tcagctacac ccagg          35
69 <210> SEQ ID NO: 7
70 <211> LENGTH: 19
71 <212> TYPE: DNA
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 7
75 attttgcggt gagtctctc          19
77 <210> SEQ ID NO: 8
78 <211> LENGTH: 19
79 <212> TYPE: DNA
80 <213> ORGANISM: Homo sapiens
82 <220> FEATURE:
83 <221> NAME/KEY: misc_feature
84 <222> LOCATION: 10
85 <223> OTHER INFORMATION: n = A,T,C or G
87 <400> SEQUENCE: 8
W--> 88 attttgcggn gagtctctc          19
90 <210> SEQ ID NO: 9
91 <211> LENGTH: 19
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 9
96 tctgcaggac gcctggagt          19
98 <210> SEQ ID NO: 10
99 <211> LENGTH: 19
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo sapiens
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <222> LOCATION: 10
106 <223> OTHER INFORMATION: n = A,T,C or G
108 <400> SEQUENCE: 10
W--> 109 tctgcaggan gcctggagt          19
111 <210> SEQ ID NO: 11
112 <211> LENGTH: 19
113 <212> TYPE: DNA
114 <213> ORGANISM: Homo sapiens
116 <400> SEQUENCE: 11
117 qcagatctcg tgggtctct          19
119 <210> SEQ ID NO: 12
120 <211> LENGTH: 19
121 <212> TYPE: DNA
122 <213> ORGANISM: Homo sapiens
124 <400> SEQUENCE: 12

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125 qcagatctca tgggtctct 19
127 <210> SEQ ID NO: 13
128 <211> LENGTH: 19
129 <212> TYPE: DNA
130 <213> ORGANISM: Homo sapiens
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133 attttgcggt gagtctctc 19
135 <210> SEQ ID NO: 14
136 <211> LENGTH: 19
137 <212> TYPE: DNA
138 <213> ORGANISM: Homo sapiens
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: 10
143 <223> OTHER INFORMATION: n = A,T,C or G
145 <400> SEQUENCE: 14
W--> 146 attttgcggn gagtctctc 19
148 <210> SEQ ID NO: 15
149 <211> LENGTH: 19
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 15
154 ggacgaaacg actcctcag 19
156 <210> SEQ ID NO: 16
157 <211> LENGTH: 19
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapiens
161 <220> FEATURE:
162 <221> NAME/KEY: misc_feature
163 <222> LOCATION: 10
164 <223> OTHER INFORMATION: n = A,T,C or G
166 <400> SEQUENCE: 16
W--> 167 ggacgaaacn actcctcag 19
169 <210> SEQ ID NO: 17
170 <211> LENGTH: 24
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 17
175 gacactgcct attitgcggc gagt 24
177 <210> SEQ ID NO: 18
178 <211> LENGTH: 6
179 <212> TYPE: DNA
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 18
183 gtttga 6
185 <210> SEQ ID NO: 19
186 <211> LENGTH: 23
187 <212> TYPE: DNA
188 <213> ORGANISM: Homo sapiens

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```

190 <400> SEQUENCE: 19
191 agcaggacgc ctggagtgc cag                                23
193 <210> SEQ ID NO: 20
194 <211> LENGTH: 16
195 <212> TYPE: PRT
196 <213> ORGANISM: Homo sapiens
198 <220> FEATURE:
199 <221> NAME/KEY: VARIANT
200 <222> LOCATION: 9, 10, 11, 12, 13, 14, 15
201 <223> OTHER INFORMATION: Xaa = Any Amino Acid
203 <400> SEQUENCE: 20
W--> 204 Asp Thr Ala Tyr Phe Ala Ala Ser Xaa Xaa Xaa Xaa Xaa Xaa Val
205 1 5 10 15
208 <210> SEQ ID NO: 21
209 <211> LENGTH: 36
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
213 <400> SEQUENCE: 21
214 gacactgcct attttgcgga cgcctggagt gaccag                36
216 <210> SEQ ID NO: 22
217 <211> LENGTH: 12
218 <212> TYPE: PRT
219 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 22
222 Asp Thr Ala Tyr Phe Ala Asp Ala Trp Ser Asp Gln
223 1 5 10
226 <210> SEQ ID NO: 23
227 <211> LENGTH: 27
228 <212> TYPE: PRT
229 <213> ORGANISM: Homo sapiens
231 <220> FEATURE:
232 <221> NAME/KEY: VARIANT
233 <222> LOCATION: 6, 7, 10, 14, 24
234 <223> OTHER INFORMATION: Xaa = Any Amino Acid
236 <400> SEQUENCE: 23
W--> 237 Glu Asn Ala Asp Leu Xaa Xaa Leu Trp Xaa Asp Gly Asp Xaa Ala Tyr
238 1 5 10 15
W--> 239 Phe Ala Asp Ala Trp Ser Asp Xaa Lys Gly Gln
240 20 25
243 <210> SEQ ID NO: 24
244 <211> LENGTH: 27
245 <212> TYPE: PRT
246 <213> ORGANISM: Homo sapiens
248 <220> FEATURE:
249 <221> NAME/KEY: VARIANT
250 <222> LOCATION: 7, 14, 15
251 <223> OTHER INFORMATION: Xaa = Any Amino Acid
253 <400> SEQUENCE: 24
W--> 254 Glu Asn Ala Asp Leu Val Xaa Leu Trp Thr Asp Gly Asp Xaa Xaa Tyr

```

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
Input Set : A:\04843.097002.SEQLIST.TXT

Output Set: N:\CRF3\03262002\J092908.raw

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255 1 5 10 15
256 Phe Ala Asp Ala Trp Ser Asp Gln Lys Gly Gln
257 20 25
260 <210> SEQ ID NO: 25
261 <211> LENGTH: 27
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <220> FEATURE:
266 <221> NAME/KEY: VARIANT
267 <222> LOCATION: 12, 14, 16, 18
268 <223> OTHER INFORMATION: Xaa = Any Amino Acid
270 <400> SEQUENCE: 25
W--> 271 Glu Asn Ala Asp Leu Val Val Leu Trp Thr Asp Xaa Asp Xaa Ala Xaa
272 1 5 10 15
W--> 273 Phe Xaa Asp Ala Trp Ser Asp Gln Lys Gly Gln
274 20 25
277 <210> SEQ ID NO: 26
278 <211> LENGTH: 27
279 <212> TYPE: PRT
280 <213> ORGANISM: Homo sapiens
282 <400> SEQUENCE: 26
283 Glu Asn Ala Asp Leu Val Val Leu Trp Thr Asp Gly Asp Thr Ala Tyr
284 1 5 10 15
285 Phe Ala Asp Ala Trp Ser Asp Gln Lys Gly Gln
286 20 25
289 <210> SEQ ID NO: 27
290 <211> LENGTH: 11
291 <212> TYPE: PRT
292 <213> ORGANISM: Homo sapiens
294 <220> FEATURE:
295 <221> NAME/KEY: VARIANT
296 <222> LOCATION: 2, 5
297 <223> OTHER INFORMATION: Xaa = Any Amino Acid
299 <400> SEQUENCE: 27
W--> 300 Ile Xaa Gly Arg Xaa Asp Ser Ser Gly Ile Arg
301 1 5 10
304 <210> SEQ ID NO: 28
305 <211> LENGTH: 11
306 <212> TYPE: PRT
307 <213> ORGANISM: Homo sapiens
309 <220> FEATURE:
310 <221> NAME/KEY: VARIANT
311 <222> LOCATION: 2, 5
312 <223> OTHER INFORMATION: Xaa = Any Amino Acid
314 <400> SEQUENCE: 28
W--> 315 Ile Xaa Gly Arg Xaa Asp Ser Ser Gly Ile Arg
316 1 5 10
319 <210> SEQ ID NO: 29
320 <211> LENGTH: 11

```


 be 0 or 1 or Xaa has been detected in the
 Sequence Listing. Review the Sequence Listing
 to ensure a corresponding explanation is present
 in the <220> to <223> fields of each sequence
 listing or Xaa

VERIFICATION SUMMARY

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:1032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1068 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1089 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:1109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49